



SEQUENCE LISTING

<110> PUIJK, WOUTER CORNELIS  
SLOOTSTRA, JELLE WOUTER

<120> A METHOD FOR DETERMINING A MIMOTOPE SEQUENCE

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<141> 2001-05-14

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<160> 108

<170> PatentIn Ver. 2.1

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1 5 10

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 3

Glu Met Asp Glu Glu Glu Asp Ile Met Asn Tyr Ala  
1 5 10

<210> 4

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
peptide

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Glu Met Asp Glu Glu Glu Asp Val Pro Asp Tyr Ala  
1 5 10

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 5

Glu Gly Cys Ala Ala Met Asn Ile Arg Cys Tyr Ala  
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peptide

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Cys Met Cys Ala Ala Met Asn Ile Arg Cys Tyr Ala  
1 5 10

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
peptide

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Cys Gly Asp Ala Ala Met Asn Ile Arg Cys Tyr Ala  
1 5 10

<210> 8

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<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 8

Cys Gly Cys Glu Ala Met Asn Ile Arg Cys Tyr Ala  
1 5 10

<210> 9

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Cys Gly Cys Ala Glu Met Asn Ile Arg Cys Tyr Ala  
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<223> Description of Artificial Sequence: Synthetic  
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<223> Description of Artificial Sequence: Synthetic  
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Cys Gly Cys Ala Ala Met Asp Ile Arg Cys Tyr Ala  
1 5 10

<210> 12

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<223> Description of Artificial Sequence: Synthetic  
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<400> 12

Cys Gly Cys Ala Ala Met Asn Ile Met Cys Tyr Ala  
1 5 10

<210> 13

<211> 12

<212> PRT

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<223> Description of Artificial Sequence: Synthetic  
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<400> 13

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1 5 10

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<211> 12

<212> PRT

<213> Artificial Sequence

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peptide

<400> 14

Glu Met Asp Glu Glu Glu Asp Val Met Asn Tyr Ala  
1 5 10

<210> 15

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

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peptide

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Glu Met Asp Glu Glu Glu Asp Ile Pro Asn Tyr Ala  
1 5 10

<210> 16

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Glu Met Asp Glu Glu Glu Asp Ile Met Asp Tyr Ala  
1 5 10

<210> 17

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Glu Met Asp Glu Glu Glu Asp Val Pro Asp Tyr Ala  
1 5 10

<210> 18

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<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 18

Tyr Pro Tyr Asp Val Pro Asp Tyr Ala Ser Leu Arg Ser  
1 5 10

<210> 19

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<400> 19

Ala Asn Trp Pro Ser Ala Ile Gly Ala Phe Gly Leu  
 1 5 10

<210> 20

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His Asn Trp Pro Ser Ala Ile Gly Ala Phe Gly Leu  
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<210> 21

<211> 12

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
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<400> 21

Ala Trp Trp Pro Ser Ala Ile Gly Ala Phe Gly Leu  
 1 5 10

<210> 22

<211> 12

<212> PRT

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<400> 22

Ala Asn Ala Pro Ser Ala Ile Gly Ala Phe Gly Leu  
 1 5 10

<210> 23

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<223> Description of Artificial Sequence: Synthetic  
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<400> 23

Ala Asn Trp Ser Ser Ala Ile Gly Ala Phe Gly Leu  
1 5 10

<210> 24

<211> 12

<212> PRT

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<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 24

Ala Asn Trp Ser Ser Ala Ile Gly Ala Phe Lys Leu  
1 5 10

<210> 25

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<400> 25

His Trp Ala Ser Ser Ala Ile Gly Ala Phe Lys Leu  
1 5 10

<210> 26

<211> 12

<212> PRT

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<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 26

Lys Trp Ala Ser Ser Ala Ile Gly Ala Phe Lys Leu  
1 5 10

<210> 27

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peptide

<400> 27

His Tyr Ala Ser Ser Ala Ile Gly Ala Phe Lys Leu  
1 5 10

<210> 28

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 28

His Trp Gly Ser Ser Ala Ile Gly Ala Phe Lys Leu  
1 5 10

<210> 29

<211> 12

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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 29

His Trp Ala Ser Ser Ala Met Gly Ala Phe Lys Leu  
1 5 10

<210> 30

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<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 30

Lys Tyr Gly Ser Ser Ala Met Gly Ala Phe Lys Leu  
1 5 10

<210> 31

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<212> PRT

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<223> Description of Artificial Sequence: Synthetic  
peptide



<400> 31

Lys Tyr Phe Ser Ser Ala Met Gly Ala Phe Lys Leu  
 1 5 10

<210> 32

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<223> Description of Artificial Sequence: Synthetic  
 peptide

<400> 32

Lys Tyr Gly Ser Ser Gly Met Gly Ala Phe Lys Leu  
 1 5 10

<210> 33

<211> 12

<212> PRT

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<223> Description of Artificial Sequence: Synthetic  
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<400> 33

Lys Tyr Phe Ser Ser Gly Met Gly Ala Phe Lys Leu  
 1 5 10

<210> 34

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<212> PRT

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<223> Description of Artificial Sequence: Synthetic  
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<400> 34

Ser Asp Thr Arg Lys Gly  
 1 5

<210> 35

<211> 8

<212> PRT

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<223> Description of Artificial Sequence: Synthetic  
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<400> 35

Cys Ser Asp Thr Arg Lys Gly Cys  
1 5

<210> 36

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<212> PRT

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<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 36

Cys Ser Asp Thr Arg Lys Gly Cys Gly  
1 5

<210> 37

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<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 37

Cys Thr Asp Thr Arg Lys Gly Cys Gly  
1 5

<210> 38

<211> 9

<212> PRT

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<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 38

Cys Ser Glu Thr Arg Lys Gly Cys Gly  
1 5

<210> 39

<211> 9

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<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 39

Cys Ser Asp Thr His Lys Gly Cys Gly  
1 5

<210> 40

<211> 9

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<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 40

Cys Ser Asp Thr Arg Tyr Gly Cys Gly  
1 5

<210> 41

<211> 9

<212> PRT

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<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 41

Cys Thr Glu Thr His Tyr Gly Cys Gly  
1 5

<210> 42

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<212> PRT

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peptide

<400> 42

Cys Tyr Glu Thr His Tyr Gly Cys Gly  
1 5

<210> 43

<211> 9

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 43

Cys Thr Glu Thr Lys Tyr Gly Cys Gly  
1 5

<210> 44

<211> 9

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 44

Cys Thr Glu Thr His Phe Gly Cys Gly  
1 5

<210> 45

<211> 9

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
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<400> 45

Cys Tyr Glu Thr Lys Phe Gly Cys Gly  
1 5

<210> 46

<211> 9

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 46

Asp Tyr Glu Thr Lys Phe Gly Cys Gly  
1 5

<210> 47

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
peptide

&lt;400&gt; 47

Cys Tyr Glu Thr Lys Phe Gly Asn Gly  
 1 5

&lt;210&gt; 48

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 48

Asp Tyr Glu Thr Lys Phe Gly Asn Gly  
 1 5

&lt;210&gt; 49

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 49

Arg Val Met Ile Lys Leu Ile Leu Val Asn Phe Arg  
 1 5 10

&lt;210&gt; 50

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 50

Lys Ile Tyr Arg Val Met Ile Lys Leu Ile Leu Val Asn Phe Arg Met  
 1 5 10 15

Gln Pro

&lt;210&gt; 51

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

<400> 51

Ala Val Met Ile Lys Leu Ile Leu Val Asn Phe Arg  
1 5 10

<210> 52

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 52

Ala Ile Met Ile Lys Leu Ile Leu Val Asn Phe Arg  
1 5 10

<210> 53

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 53

Ala Val Pro Ile Lys Leu Ile Leu Val Asn Phe Arg  
1 5 10

<210> 54

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 54

Ala Val Met Ile Lys Leu Ile Arg Val Asn Phe Arg  
1 5 10

<210> 55

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
peptide

&lt;400&gt; 55

Ala Val Met Ile Lys Leu Ile Leu Val Asn Tyr Arg  
1 5 10

&lt;210&gt; 56

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 56

Ala Ile Pro Ile Lys Leu Ile Arg Val Asn Tyr Arg  
1 5 10

&lt;210&gt; 57

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 57

Tyr Ile Pro Ile Lys Leu Ile Arg Val Asn Tyr Arg  
1 5 10

&lt;210&gt; 58

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 58

Ala Pro Pro Ile Lys Leu Ile Arg Val Asn Tyr Arg  
1 5 10

&lt;210&gt; 59

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 59

Tyr Pro Pro Ile Lys Leu Ile Arg Val Asn Tyr Arg  
1 5 10

&lt;210&gt; 60

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 60

Lys Ile Tyr Tyr Pro Pro Ile Lys Leu Ile Arg Val  
1 5 10

&lt;210&gt; 61

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 61

Ile Lys Leu Ile Arg Val Asn Tyr Arg Met Gln Pro  
1 5 10

&lt;210&gt; 62

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 62

Arg Ile Tyr Tyr Pro Pro Ile Lys Leu Ile Arg Val  
1 5 10

&lt;210&gt; 63

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide



&lt;400&gt; 63

Lys Pro Tyr Tyr Pro Pro Ile Lys Leu Ile Arg Val  
1 5 10

&lt;210&gt; 64

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 64

Lys Ile Trp Tyr Pro Pro Ile Lys Leu Ile Arg Val  
1 5 10

&lt;210&gt; 65

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 65

Lys Ile Tyr Tyr Pro Pro Ile Ser Leu Ile Arg Val  
1 5 10

&lt;210&gt; 66

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 66

Arg Pro Trp Tyr Pro Pro Ile Ser Leu Ile Arg Val  
1 5 10

&lt;210&gt; 67

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 67

Ile Lys Leu Ile Arg Val Asn Tyr Arg Cys Gln Pro  
1 5 10

&lt;210&gt; 68

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 68

Ile Lys Leu Ile Arg Val Asn Tyr Arg Met Glu Pro  
1 5 10

&lt;210&gt; 69

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 69

Ile Lys Leu Ile Arg Val Asn Tyr Arg Met Gln Asn  
1 5 10

&lt;210&gt; 70

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 70

Ile Lys Leu Ile Arg Val Asn Tyr Arg Cys Glu Asn  
1 5 10

&lt;210&gt; 71

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 71

Arg Pro Trp Tyr Pro Pro Ile Ser Leu Ile Arg Val Asn Tyr Arg Cys  
 1 5 10 15

Glu Asn

&lt;210&gt; 72

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 72

Gln Asn Asn Met Lys Leu Phe Arg Gly Cys Val Pro  
 1 5 10

&lt;210&gt; 73

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 73

Arg Gly Ile Lys Trp Asn Glu Met Thr Asp Gln Trp  
 1 5 10

&lt;210&gt; 74

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 74

Lys Leu Gln Gln Asn Pro Thr Phe Tyr Pro Pro Val  
 1 5 10

&lt;210&gt; 75

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 75

Thr Asn Asn Cys Lys Glu Phe Ala Gly Ile Val Pro  
 1 5 10

&lt;210&gt; 76

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 76

Arg Gly Ile Leu Thr Asn Ile Met Lys Asp Gln Trp  
 1 5 10

&lt;210&gt; 77

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 77

Ile Val Gln Asn Asn Pro Lys Phe Phe Arg Gly Ala  
 1 5 10

&lt;210&gt; 78

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 78

Ile Leu Gln Asn Asn Met Lys Asp Phe Arg Gly  
 1 5 10

&lt;210&gt; 79

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 79

Ile Leu Thr Asn Asn Met Lys Asp Phe Arg Gly  
1 5 10

&lt;210&gt; 80

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 80

Ile Leu Gln Asn Asn Met Pro Asp Phe Arg Gly  
1 5 10

&lt;210&gt; 81

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 81

Ile Leu Gln Asn Asn Met Lys Asp Trp Arg Gly  
1 5 10

&lt;210&gt; 82

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 82

Ile Leu Thr Asn Asn Met Pro Asp Trp Arg Gly  
1 5 10

&lt;210&gt; 83

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 83

Ile Leu Thr Asn Asn Met Gly Asp Trp Arg Gly  
1 5 10

&lt;210&gt; 84

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 84

Ile Leu Thr Asn Asn Met Pro Asp Trp Tyr Gly  
1 5 10

&lt;210&gt; 85

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 85

Ile Leu Thr Asn Asn Met Gly Asp Trp Tyr Gly  
1 5 10

&lt;210&gt; 86

&lt;211&gt; 6

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 86

Ala Asn Trp Pro Ser Ala  
1 5

&lt;210&gt; 87

&lt;211&gt; 6

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

<400> 87  
Lys Leu Ile Thr Arg Trp  
1 5

<210> 88  
<211> 6  
<212> PRT  
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<220>  
<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 88  
Asn Val Cys Ser Trp Ser  
1 5

<210> 89  
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<220>  
<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 89  
His Asn Trp Pro Ser Ala  
1 5

<210> 90  
<211> 6  
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<220>  
<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 90  
Ala Trp Trp Pro Ser Ala  
1 5

<210> 91  
<211> 6  
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<220>  
<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 91  
Ala Asn Ala Pro Ser Ala  
1 5

<210> 92  
<211> 6  
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03  
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